



## SEQUENCE LISTING

<110> Jeyaseelan, Kandiah  
Armugam, Arunmozhiarasi  
Chai, Siaw Ching  
Ramkishen, Prabhakaran Nair  
Gopalakrish-Nakone, Ponnampalam  
Tan, Kwong Huat, Benny

<120> Cholesterol Biosynthesis Pathway Modulators and Uses Thereof

<130> 3240-109

<140> 10/559,649

<141> 2005-12-05

<150> PCT/SG2004/000168

<151> 2004-06-04

<150> 60/476,208

<151> 2003-06-05

<160> 18

<170> PatentIn version 3.3

<210> 1

<211> 335

<212> DNA

<213> Buthus martensii Karsch

<400> 1

ggtacatttc taaaaaaagt tatggtgaaa atgcaagtta ttttcattgc ttcatcgct	60
gtaatagcat gtagcatggt atatggagat agtctttccc cttggaatga aggcgatacg	120
tattacgggt gccagagaca aacggatgaa ttctgtaata aaatttgtaa gctgcactta	180
gcaagcgggtg gaagctgtca gcaaccgcgt ctttttgtga aattatgcac atgccaaggt	240
attgattacg acaacagttt cttttttgga gcattggaaa aacaatgtcc taaattaaga	300
gagtagccga aagatttgca tttatcaatg ctatt	335

<210> 2

<211> 94

<212> PRT

<213> Buthus martensii Karsch

<400> 2

Met Val Lys Met Gln Val Ile Phe Ile Ala Phe Ile Ala Val Ile Ala
1 5 10 15

Cys Ser Met Val Tyr Gly Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp  
20 25 30

Thr Tyr Tyr Gly Cys Gln Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile  
35 40 45

Cys Lys Leu His Leu Ala Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro  
50 55 60

Phe Val Lys Leu Cys Thr Cys Gln Gly Ile Asp Tyr Asp Asn Ser Phe  
65 70 75 80

Phe Phe Gly Ala Leu Glu Lys Gln Cys Pro Lys Leu Arg Glu  
85 90

<210> 3  
<211> 72  
<212> PRT  
<213> Buthus martensii Karsch

<400> 3

Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln  
1 5 10 15

Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu His Leu Ala  
20 25 30

Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro Phe Val Lys Leu Cys Thr  
35 40 45

Cys Gln Gly Ile Asp Tyr Asp Asn Ser Phe Phe Phe Gly Ala Leu Glu  
50 55 60

Lys Gln Cys Pro Lys Leu Arg Glu  
65 70

<210> 4  
<211> 30  
<212> PRT  
<213> Buthus martensii Karsch

<400> 4

Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln  
 1 5 10 15

Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu His  
 20 25 30

<210> 5  
 <211> 14  
 <212> PRT  
 <213> Buthus martensii Karsch

<400> 5

Gln Pro Ala Pro Phe Val Lys Leu Cys Thr Cys Gln Gly Ile  
 1 5 10

<210> 6  
 <211> 19  
 <212> PRT  
 <213> Buthus martensii Karsch

<400> 6

Lys Leu His Leu Ala Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro Phe  
 1 5 10 15

Val Lys Leu

<210> 7  
 <211> 22  
 <212> PRT  
 <213> Buthus martensii Karsch

<400> 7

Pro Ala Pro Phe Val Lys Leu Cys Thr Cys Gln Gly Ile Asp Tyr Asp  
 1 5 10 15

Asn Ser Phe Phe Phe Gly  
 20

<210> 8  
 <211> 20  
 <212> PRT  
 <213> Buthus martensii Karsch

<400> 8

Gln Gly Ile Asp Tyr Asp Asn Ser Phe Phe Phe Gly Ala Leu Glu Lys  
1 5 10 15

Gln Cys Pro Lys  
20

<210> 9  
<211> 21  
<212> PRT  
<213> Buthus martensii Karsch

<400> 9

Gly Cys Gln Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu  
1 5 10 15

His Leu Ala Ser Gly  
20

<210> 10  
<211> 14  
<212> PRT  
<213> Buthus martensii Karsch

<400> 10

Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly  
1 5 10

<210> 11  
<211> 15  
<212> PRT  
<213> Buthus martensii Karsch

<400> 11

Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln Arg  
1 5 10 15

<210> 12  
<211> 7  
<212> PRT  
<213> Buthus martensii Karsch

<400> 12

Ser Pro Trp Asn Glu Gly Asp  
1 5

<210> 13  
 <211> 6  
 <212> PRT  
 <213> Buthus martensii Karsch

<400> 13  
 Gly Asp Thr Tyr Tyr Gly  
 1 5

<210> 14  
 <211> 23  
 <212> DNA  
 <213> Buthus martensii Karsch

<220>  
 <221> misc\_feature  
 <222> (1)..(23)  
 <223> y = t or c

<220>  
 <221> misc\_feature  
 <222> (1)..(23)  
 <223> n = a, c, g or t

<400> 14  
 gayagycnt cncctggaa yga 23

<210> 15  
 <211> 22  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotide primer with homology to universal adaptor AP1  
 wich is ligated onto each end of Buthus martensii Karsch

<400> 15  
 gtaatacgac tcactatagg gc 22

<210> 16  
 <211> 21  
 <212> DNA  
 <213> Buthus martensii Karsch

<400> 16  
 attccaaggg gaaagactat c 21

<210> 17  
<211> 24  
<212> DNA  
<213> Buthus martensii Karsch

<400> 17  
ggtacatttc taaaaaaagt tatg 24

<210> 18  
<211> 24  
<212> DNA  
<213> Buthus martensii Karsch

<400> 18  
aatagcattg attaaatgca aatc 24